Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/03/2022 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124227	-1	1.54	124108	1.51
Blue	F	SSC	125000	124784	-1	3.34	125341	3.20
Blue	E	FITC	15860	15305	-4	2.33	372	14.31
Blue	D	PE	27718	27353	-2	1.83	636	10.04
Blue	B	PerCP-Cy5-5	38046	37147	-3	3.02	1014	14.49
Blue	A	PE-Cy7	26092	25709	-2	4.87	507	30.24
Red	C	APC	49104	48559	-2	2.69	1710	11.51
Red	A	APC-Cy7	28201	27533	-3	3.00	728	12.29
Violet	B	V450	9904	9412	-5	4.04	525	12.31
Violet	A	V500	39004	37714	-4	3.61	987	9.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23942	1.98	560	-9	N/A	N/A	Pass
Blue	F	SSC	55928	1.82	518	-10	N/A	N/A	Pass
Blue	E	FITC	58	54.24	488	-3	0.0406	48	Pass
Blue	D	PE	123	37.93	494	-2	0.4815	357	Pass
Blue	B	PerCP-Cy5-5	139	44.33	585	-4	0.0213	95	Pass
Blue	A	PE-Cy7	64	88.96	627	-5	0.0218	0	Pass
Red	C	APC	329	26.07	579	-2	0.0268	94	Pass
Red	A	APC-Cy7	97	43.93	551	-4	0.0063	1497	Pass
Violet	B	V450	85	51.19	462	4	0.0475	1920	Pass
Violet	A	V500	124	36.16	474	5	0.0239	1779	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/03/2022 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.24	-31.94	1.01
Blue	20.37	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	16.41	13.90 - 20.86	N/A	N/A	30.20	30.62	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10218

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments